

What is claimed is:

1 1. A mobile phone set including a mobile phone and a
2 mobile warning apparatus,

3 wherein the mobile phone transmits a specific electric
4 wave addressed to the mobile warning apparatus,

5 and the mobile warning apparatus comprises:

6 measuring means for measuring an electric field strength
7 of the transmitted specific electric wave;

8 judging means for judging whether the measured value
9 of the electric field strength is smaller than a threshold
10 value; and

11 warning means for giving a warning when the judging means
12 judges that the measured value of the electric field strength
13 is smaller than the threshold value.

1 2. The mobile phone set of Claim 1,

2 wherein the mobile warning apparatus is in a form of
3 a headphone.

1 3. A mobile phone set including a mobile phone and a
2 mobile warning apparatus,

3 wherein the mobile warning apparatus transmits a
4 specific electric wave addressed to the mobile phone,

5 and the mobile phone comprises:

6 storage means for storing contact information of a

7 predetermined party;

8 measuring means for measuring an electric field strength

9 of the transmitted specific electric wave;

10 judging means for judging whether the measured value

11 of the electric field strength is smaller than a threshold

12 value; and

13 notifying means for notifying the predetermined party

14 when the judging means judges that the measured value of the

15 electric field strength is smaller than the threshold value.

1 4. The mobile phone set of Claim 3,

2 wherein the mobile phone further comprises:

3 acquiring means for acquiring position information

4 showing a position of the mobile phone; and

5 the notifying means notifies the predetermined party

6 of the position information.

1 5. The mobile phone set of Claim 4,

2 wherein the mobile phone further comprises:

3 instruction receiving means for receiving an operation

4 instruction from a user,

5 and control providing means for providing a control to

6 invalidate the operation instruction from the user, when the

7 judging means judges that the measured value of the electric

8 field strength is smaller than the threshold value.

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1 6. The mobile phone set of Claim 5,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 7. The mobile phone set of Claim 4,
2 wherein the storage means stores a telephone number of
3 a predetermined party and a warning message,
4 and the notifying means includes:
5 audio generating means for reading the warning message
6 from the storage means, and generating audio data for the
7 warning message and for the position information, according
8 to the warning message and the position information acquired
9 by the acquiring means;
10 connecting means for connecting the predetermined party
11 by reading out the telephone number from the storage means,
12 and by calling the telephone number; and
13 audio outputting means for outputting the audio data
14 generated by the audio generating means.

1 8. The mobile phone set of Claim 7,
2 wherein the mobile phone further comprises:

3 instruction receiving means for receiving an operation
4 instruction from a user,
5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 9. The mobile phone set of Claim 8,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 10. The mobile phone set of Claim 4,
2 wherein the storage means stores a mail address of the
3 predetermined party and a warning message,
4 and the notifying means includes:
5 mail generating means for reading the warning message,
6 and generating first mail for informing the warning message,
7 and second mail for informing the position information
8 acquired by the acquiring means; and
9 mail transmitting means for reading the mail address
10 and transmitting, to the mail address, the first mail and

11 the second mail.

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1 11. The mobile phone set of Claim 10,
2 wherein the mobile phone further comprises:
3 instruction receiving means for receiving an operation
4 instruction from a user,
5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 12. The mobile phone set of Claim 11
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 13. A mobile phone set including a mobile phone and
2 a mobile warning apparatus,
3 wherein the mobile warning apparatus transmits a
4 specific electric wave addressed to the mobile warning phone,
5 and the mobile warning apparatus includes:
6 instruction receiving means for receiving an operation

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7 instruction from a user;
8 measuring means for measuring an electric field strength
9 of the transmitted specific electric wave;
10 judging means for judging whether the measured value
11 of the electric field strength is smaller than a threshold
12 value; and
13 control providing means for providing a control to
14 invalidate the operation instruction from the user, when the
15 judging means judges that the measured value of the electric
16 field strength is smaller than the threshold value.

1 14. The mobile phone set of Claim 13,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 15. A mobile phone which receives a specific electric
2 wave transmitted from a mobile warning apparatus, comprising:
3 storage means for storing contact information of a
4 predetermined party;
5 measuring means for measuring an electric field strength
6 of the transmitted specific electric wave;

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7 judging means for judging whether the measured value
8 of the electric field strength is smaller than a threshold
9 value; and

10 notifying means for notifying the predetermined party
11 when the judging means judges that the measured value of the
12 electric field strength is smaller than the threshold value.

1 16. The mobile phone of Claim 15,
2 wherein the mobile phone further comprises:
3 acquiring means for acquiring position information
4 showing a position of the mobile phone; and
5 the notifying means notifies the predetermined party
6 of the position information.

1 17. The mobile phone of Claim 16,
2 wherein the mobile phone further comprises:
3 instruction receiving means for receiving an operation
4 instruction from a user,
5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 18. The mobile phone of Claim 17,
2 wherein the instruction receiving means further

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3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 19. The mobile phone of Claim 16,
2 wherein the storage means stores a telephone number of
3 a predetermined party and a warning message,
4 and the notifying means includes:
5 audio generating means for reading the warning message
6 from the storage means, and generating audio data for the
7 warning message and for the position information, according
8 to the warning message and the position information acquired
9 by the acquiring means;
10 connecting means for connecting the predetermined party
11 by reading out the telephone number from the storage means,
12 and by calling the telephone number; and
13 audio outputting means for outputting the audio data
14 generated by the audio generating means.

1 20. The mobile phone of Claim 19,
2 wherein the mobile phone further comprises:
3 instruction receiving means for receiving an operation
4 instruction from a user,

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5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 21. The mobile phone of Claim 20,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 22. The mobile phone of Claim 16,
2 wherein the storage means stores a mail address of the
3 predetermined party and a warning message,
4 and the notifying means includes:
5 mail generating means for reading the warning message,
6 and generating first mail for informing the warning message,
7 and second mail for informing the position information
8 acquired by the acquiring means;
9 mail transmitting means for reading the mail address
10 and transmitting, to the mail address, the first mail and
11 the second mail.

1 23. The mobile phone of Claim 22,
2 wherein the mobile phone further comprises:
3 instruction receiving means for receiving an operation
4 instruction from a user,
5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 24. The mobile phone of Claim 23,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 25. A mobile phone which receives a specific electric
2 wave transmitted from a mobile warning apparatus, comprising:
3 instruction receiving means for receiving an operation
4 instruction from a user;
5 measuring means for measuring an electric field strength
6 of the transmitted specific electric wave;
7 judging means for judging whether the measured value
8 of the electric field strength is smaller than a threshold

9 value;
10 and control providing means for providing a control to
11 invalidate the operation instruction from the user, when the
12 judging means judges that the measured value of the electric
13 field strength is smaller than the threshold value.

1 26. The mobile phone of Claim 25,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon
7 receiving the personal identification number.

1 27. A mobile phone which receives a specific electric
2 wave transmitted from a mobile warning apparatus, comprising:
3 storage means for storing contact information of a
4 predetermined party;
5 instruction receiving means for receiving, from a user,
6 a setting instruction for a first mode and a setting instruction
7 for a second mode, each of the first and second modes having
8 a threshold value for an electric field strength of the specific
9 electric wave;
10 mode storage means for storing, in correspondence, a
11 mode which is set to be on by the user and the threshold value,

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12 measuring means for measuring the electric field
13 strength for the specific electric wave;
14 first judging means for judging, when the first mode
15 is set to be on, whether the measured value of the electric
16 field strength is smaller than the threshold value for the
17 first mode;
18 second judging means for judging, when the second mode
19 is set to be on, whether the measured value of the electric
20 field strength is smaller than the threshold value for the
21 second mode;
22 notifying means for notifying the predetermined party
23 when the first judging means judges that the measured value
24 of the electric field strength is smaller than the threshold
25 value; and
26 warning means for giving a warning when second judging
27 means judges that the measured value of the electric field
28 strength is smaller than the threshold value.

1 28. The mobile phone of Claim 27, further comprising:
2 acquiring means for acquiring position information
3 showing a position of the mobile phone;
4 wherein the notifying means notifies the predetermined
5 party of the acquired position information by the acquiring
6 means.

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29. A mobile phone system comprising a reception apparatus located at a remote security company and the mobile phone which receives a specific electric wave and which is carried, by a user, with a mobile warning apparatus transmitting a specific electric wave to the mobile phone,

the mobile phone comprising:

measuring means for measuring an electric field strength of the specific electric wave;

judging means for judging whether the measured value of the electric field strength is smaller than the threshold value;

notifying means for notifying the reception apparatus, when the judging means judges that the measured value of the electric field strength is smaller than the threshold value, and

the reception apparatus comprising:

storage means for storing, in correspondence, identification data identifying one or more mobile phones registered in the security company in advance and countermeasure data showing a countermeasure to be executed for each mobile phone; and

specifying means for specifying the identification data of the mobile phone upon receiving the notification from the mobile phone, and for specifying countermeasure data which corresponds to the mobile phone by referring to the

26 correspondence between the identification data and the
27 countermeasure data.

1 30. The mobile phone of Claim 29, further comprising:
2 acquiring means for acquiring position information
3 showing a position of the mobile phone;
4 wherein the notifying means notifies the predetermined
5 party of the acquired position information by the acquiring
6 means.

1 31. The mobile phone of Claim 30,
2 wherein the mobile phone further comprises:
3 instruction receiving means for receiving an operation
4 instruction from a user,
5 and control providing means for providing a control to
6 invalidate the operation instruction from the user, when the
7 judging means judges that the measured value of the electric
8 field strength is smaller than the threshold value.

1 32. The mobile phone of Claim 31,
2 wherein the instruction receiving means further
3 receives a personal identification number inputted by the
4 user,
5 and the control providing means includes
6 a control canceling unit for canceling the control upon

7 receiving the personal identification number.

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